
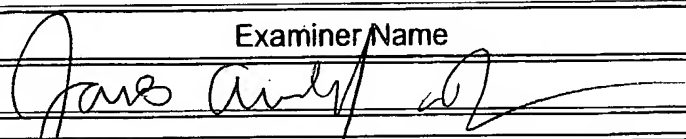


ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18




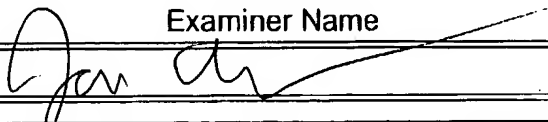
Stylesheet Version v18.0

Title of Invention	Process to Produce a Dilute Ethylene Stream and a Dilute Propylene Stream						
Application Number:		10/083934					
Confirmation Number:		4659					
First Named Applicant:		Rodney Porter					
Attorney Docket Number:		4081-02801					
Art Unit:		1764					
Examiner:		James Arnold Jr.					
Search string:		(6677496).pn.					
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
JA	1	6677496	2004-01-13	Netzer		585	648
Signature							
Examiner Name				Date			
				3/16/04			



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	Process to Produce a Dilute Ethylene Stream and a Dilute Propylene Stream						
Application Number:		10/083934					
Confirmation Number:		4659					
First Named Applicant:		Rodney Porter					
Attorney Docket Number:		210105US1					
Art Unit:		1764					
Examiner:		James Arnold Jr.					
Search string:		(5750814 or 6002057).pn.					
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5750814	1998-05-12	Jacques F. Grootjans		585	323
	2	6002057	1999-12-14	Dan Eldon Hendriksen		585	448
Signature							
Examiner Name				Date			
				2/16/02			

SEP 22 2013

PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 9449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2
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Complete if Known

Application Number	10/083,934
Filing Date	February 27, 2002
First Named Inventor	Rodney L. Porter
Art Unit	1764
Examiner Name	James Arnold, Jr.
Attorney Docket Number	210105US1 (4081-02801)

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

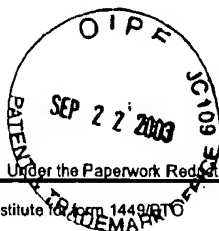
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Examiner Signature		Date Considered	3/16/07
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*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.² Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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PTO/SB/089 (04-03)

Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/083,934
		Filing Date	February 27, 2002
		First Named Inventor	Rodney L. Porter
		Art Unit	1764
		Examiner Name	James Arnold, Jr.
Substitute for Form 1449 (Rev. 10/01/99)		Attorney Docket Number	210105US1 (4081-02801)
Sheet	2	of	2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JA		Pertinent pages of an Environmental Report dated April 1999 and publicly distributed in Australia by Huntsman Chemical Company	
JA		Hydrocarbon Processing Magazine article, published May 1999, entitled "Integrate ethyl benzene production with an olefins plant"	
JA		Oil and Gas Journal Magazine article, published September 26, 1977, entitled "Ehylbenzene Unit operates well on dilute ethylene"	
SA		Hydrocarbon Processing Magazine article, published December 1983, entitled "Ethylene From Natural Gas Feedstocks, Part 3, Flow Scheme Comparisons"	
JA		Hydrocarbon Processing Magazine article, published August 1979, entitled "Front End Deethanizer Saves Energy"	

Examiner Signature		Date Considered	3/16/04
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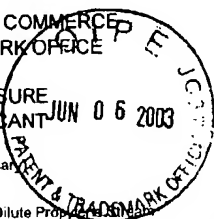
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b)) For: Process to Produce a Dilute Ethylene Stream and a Dilute Propylene Stream	ATTY. DOCKET NO. 4081-02801 (210105US1)	SERIAL NO. 10/083,934
	APPLICANT Rodney L. Porter, et al.	
	FILING DATE February 27, 2002	GROUP 1764



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TC 1700

U. S. PATENT DOCUMENTS							
Examiner Initial		Patent Number	Issue Date	Patentee	Class	Sub-class	Filing Date (If Appropriate)
DA	AA	2,372,320	03/27/1945	Frey	260	671	03/03/1942
DA	AB	2,373,303	04/10/1945	Frey et al.	260	671	08/22/1936
DA	AC	2,415,272	02/04/1947	Benedict et al.	260	668	10/31/1942
DA	AD	2,456,435	12/14/1948	Matuszak	260	345	08/06/1945
DA	AE	2,814,653	11/26/1957	Hogan et al.	260	677	09/13/1954
DA	AF	2,848,522	08/19/1958	Gilmore	260	683	01/04/1954
DA	AG	3,123,650	03/03/1964	Hutson et al.	260	671	04/20/1961
DA	AH	3,131,230	04/28/1964	Hervet et al.	260	671	12/27/1960
DA	AI	3,200,164	08/10/1965	Gerald et al.	260	671	09/08/1964
DA	AJ	3,205,277	09/07/1965	Pollitzer et al.	260	671	12/21/1962
DA	AK	3,437,705	04/08/1969	Jones	260	671	03/02/1967
DA	AL	3,843,510	10/22/1974	Morrison et al.	208	111	03/23/1973
DA	AM	4,086,288	04/25/1978	Irvin et al.	260	671	08/16/1976
DA	AN	4,107,224	08/15/1978	Dwyer	260	671	02/11/1977

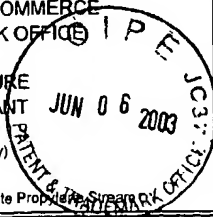
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		Document Number	Publication Date	Country or Patent Office	Class	Sub-Class	Translation
DA	AO	01/64340	09/07/2001	WIPO			
DA	AP	02/29317	04/11/2002	WIPO			

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)							

Examiner	Date Considered
DA	3/16/02

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

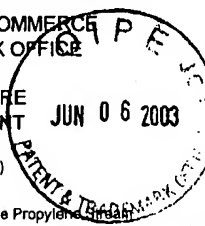
FORM PTO-1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 4081-02801 (210105US1)	SERIAL NO. 10/083,934
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Rodney L. Porter, et al.	
(37 CFR 1.98(b)) For: Process to Produce a Dilute Ethylene Stream and a Dilute Propylene Stream		FILING DATE February 27, 2002	GROUP 1



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U. S. PATENT DOCUMENTS							
Examiner Initial		Patent Number	Issue Date	Patentee	Class	Sub-class	Filing Date (If Appropriate)
JA	BA	4,255,599	03/10/1981	Wu et al.	585	319	03/12/1980
	BB	4,701,190	10/20/1987	Haehn	55	49	11/07/1986
	BC	5,003,119	03/26/1991	Sardina et al.	585	323	02/12/1990
	BD	5,026,935	06/25/1991	Leyshon et al.	585	315	10/02/1989
	BE	5,026,936	06/25/1991	Leyshon et al.	585	315	10/02/1989
	BF	5,043,506	08/27/1991	Crossland	585	449	09/17/1990
	BG	5,138,113	08/11/1992	Juguin et al.	585	322	11/27/1990
	BH	5,177,285	01/05/1993	Van Oordorp et al.	585	467	12/23/1991
	BI	5,220,097	06/15/1993	Lam et al.	585	809	02/19/1992
	BJ	5,430,211	07/04/1995	Pogue et al.	585	323	10/29/1993
	BK	5,600,049	02/04/1997	Sy	585	450	06/01/1995
	BL	5,750,818	05/12/1998	Mehlberg et al.	585	709	06/20/1996
	BM	5,866,734	02/02/1999	Flick et al.	585	260	09/04/1997
	BN	5,894,076	04/13/1999	Hearn et al.	585	251	05/12/1997
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		Document Number	Publication Date	Country or Patent Office	Class	Sub-Class	Translation
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)							
Examiner	Date Considered			3/18/04			

FORM PTO-1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 4081-02801 (210105US1)	SERIAL NO. 10/083,934
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT Rodney L. Porter, et al.	
(37 CFR 1.98(b)) For: Process to Produce a Dilute Ethylene Stream and a Dilute Propylene Stream		FILING DATE February 27, 2002	GROUP 1764



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U. S. PATENT DOCUMENTS							
Examiner Initial		Patent Number	Issue Date	Patentee	Class	Sub-class	Filing Date (If Appropriate)
JA	CA	5,939,596	08/17/1999	Whitney	585	259	01/12/1998
	CB	5,962,758	10/05/1999	Sy et al.	585	450	04/09/1998
	CC	5,977,423	11/02/1999	Netzer	585	446	10/20/1998
	CD	5,990,370	11/23/1999	Sims	585	650	09/04/1998
	CE	6,002,058	12/14/1999	Hearn et al.	585	448	11/02/1998
	CF	6,063,976	05/16/2000	Hendriksen et al.	585	467	08/18/1998
	CG	6,096,935	08/01/2000	Schulz et al.	585	323	07/28/1998
	CH	6,107,533	08/22/2000	Vebeliunas et al.	585	259	06/09/1997
	CI	6,190,533	02/20/2001	Bradow et al.	208	57	05/08/1997
	CJ	6,210,561	04/03/2001	Bradow et al.	208	89	05/08/1997
	CK	6,258,989	07/10/2001	Owen et al.	585	318	09/30/1999
	CL	6,271,433	08/07/2001	Keady et al.	585	802	02/22/1999
	CM	6,333,443	12/25/2001	Busson	585	539	03/31/2000
	CN	6,486,369	11/26/2002	Voight et al.	585	259	10/18/2000

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		Document Number	Publication Date	Country or Patent Office	Class	Sub-Class	Translation

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)			

Examiner		Date Considered	3/16/04
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